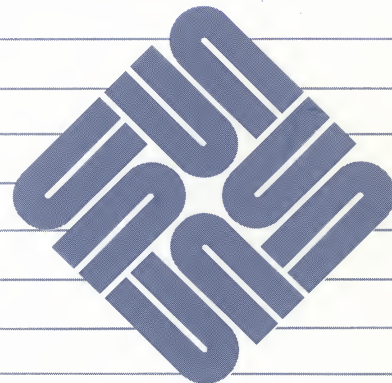


Radha



ISP-80 Disk Controller Configuration Procedures





ISP-80 Disk Controller Configuration Procedures

The Sun logo, Sun Microsystems, and Sun Workstation are registered trademarks of Sun Microsystems, Inc.

Sun, Sun-2, Sun-3, Sun-4, Sun386i, SunInstall, SunOS, SunView, NFS, NeWS, and SPARC are trademarks of Sun Microsystems, Inc.

UNIX is a registered trademark of AT&T.

All other products or services mentioned in this document are identified by the trademarks or service marks of their respective companies or organizations.

CAUTION

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Copyright © 1989 Sun Microsystems, Inc. – Printed in U.S.A.

All rights reserved. No part of this work covered by copyright hereon may be reproduced in any form or by any means – graphic, electronic, or mechanical – including photocopying, recording, taping, or storage in an information retrieval system, without the prior written permission of the copyright owner.

Restricted rights legend: use, duplication, or disclosure by the U.S. government is subject to restrictions set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 52.227-7013 and in similar clauses in the FAR and NASA FAR Supplement.

The Sun Graphical User Interface was developed by Sun Microsystems Inc. for its users and licensees. Sun acknowledges the pioneering efforts of Xerox in researching and developing the concept of visual or graphical user interfaces for the computer industry. Sun holds a non-exclusive license from Xerox to the Xerox Graphical User Interface, which license also covers Sun's licensees.

Contents

1.1. Switches and Jumper Locations	1
1.2. Jumper Configuration	3
1.3. Switch Settings	3

Figures

Figure 1-1 ISP-80 Disk Controller Switches and Jumper Locations	2
-----------------------------------------------------------------------	---



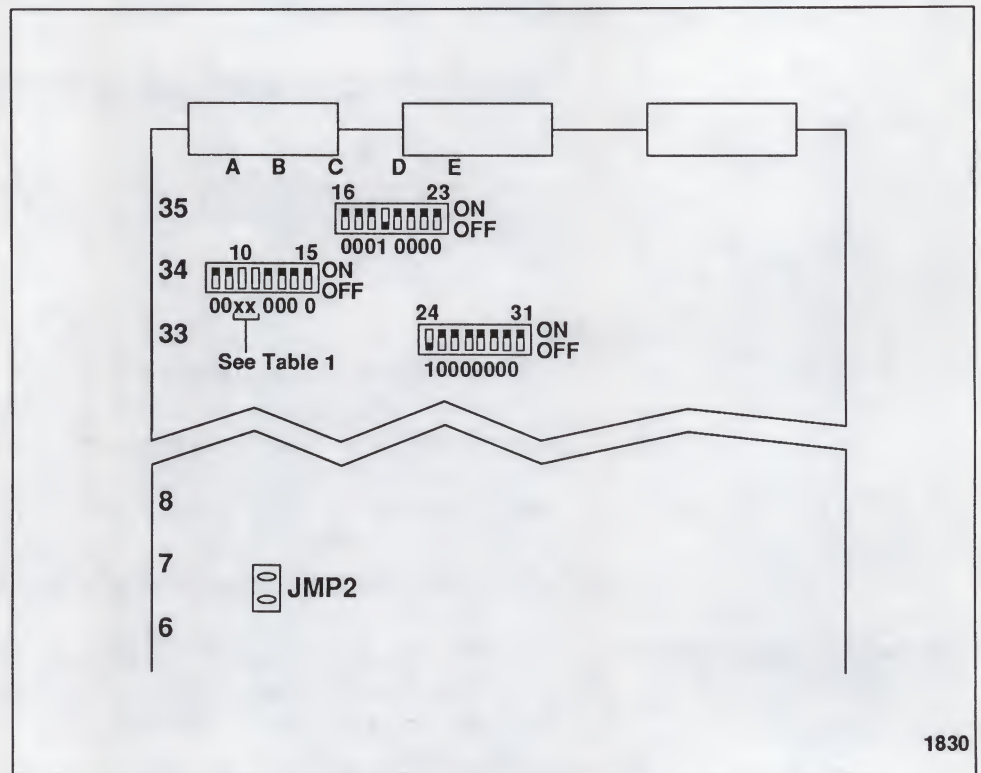
ISP-80 Disk Controller Configuration Procedures

The Sun ISP-80 Disk Controller is a high performance disk controller that has a maximum Direct Memory Access (DMA) transfer rate of 16.0 megabytes per second. This disk controller supports overlapped seeks, multiple drive types, and disk transfer rates of up to 6 megabytes per second. The ISP-80 Disk Controller is Sun proprietary, and communicates with Sun equipment via the VME bus in a Sun logic enclosure. The following sections describe the locations and settings for the switches and jumper on the ISP-80 Disk Controller.

1. Switches and Jumper Locations

The following figure shows the location and setting of the switches and the jumper on the ISP-80 Disk Controller. Refer to Table 1 for the setting of the first four switches on the B34 switch bank.

Figure 1 *ISP-80 Disk Controller Switches and Jumper Locations*



2. Jumper Configuration

Jumper JMP2 is for the SCC clock oscillator and *must always* be inserted.

3. Switch Settings

The switches on the ISP-80 Disk Controller set the address of this board. The following tables show the four valid settings of the switches on the ISP-80 Disk Controller. The numbers S1601, S1602, and S1603 in the table below are the part numbers of these switches as shown silkscreened on the circuit board.

NOTE Dip switches 3 and 4 of Switch B34 are the only switches you should ever need to change. Switches 1, 2, and 5-8 of B34 and 1-8 of D35 and 1-8 of E33 are factory-set and must not be changed.

Table 1 ISP-80 Disk Controller Address Switch Settings

<i>Address Switch Settings</i>									
Cntrl Number	Base Address (Hexidecimal)	Switch at B34 (S1603)							
		1	2	3	4	5	6	7	8
0	01080000	On	On	On	On	On	On	On	On
1	01080400	On	On	Off	On	On	On	On	On
2	01080800	On	On	On	Off	On	On	On	On
3	01080C00	On	On	Off	Off	On	On	On	On

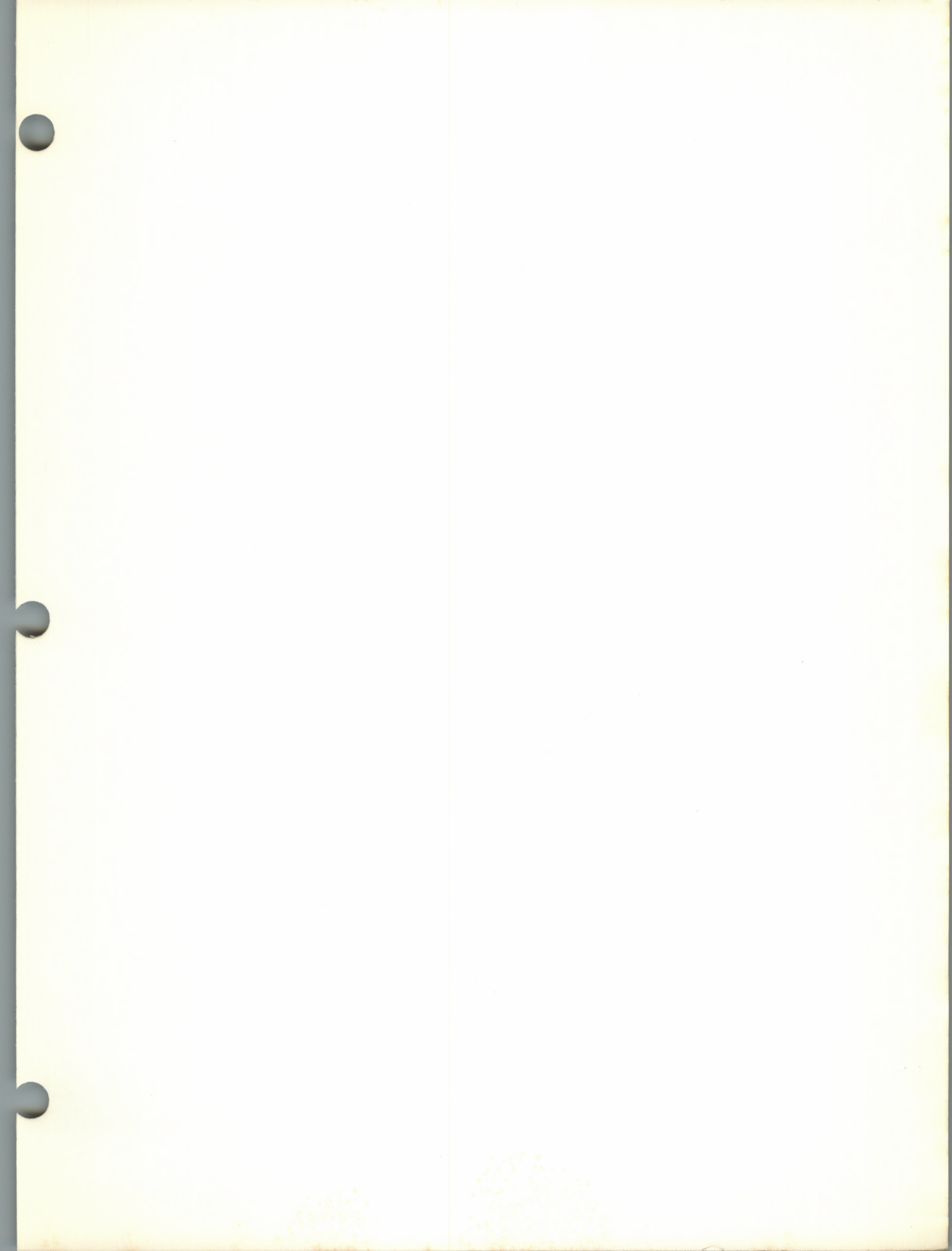
<i>Address Switch Settings</i>									
Cntrl Number	Base Address (Hexidecimal)	Switch at D35 (S1602)							
		1	2	3	4	5	6	7	8
0	01080000	On	On	On	Off	On	On	On	On
1	01080400	On	On	On	Off	On	On	On	On
2	01080800	On	On	On	Off	On	On	On	On
3	01080C00	On	On	On	Off	On	On	On	On

<i>Address Switch Settings</i>									
Cntrl Number	Base Address (Hexidecimal)	Switch at E33 (S1601)							
		1	2	3	4	5	6	7	8
0	01080000	Off	On	On	On	On	On	On	On
1	01080400	Off	On	On	On	On	On	On	On
2	01080800	Off	On	On	On	On	On	On	On
3	01080C00	Off	On	On	On	On	On	On	On

NOTE *The switches described in Table 2-1, above, and shown in Figure 2-1 on the previous page may be labelled either "On/Off" or "Open/Closed". Note that ON is equivalent to CLOSED (0), and OFF is equivalent to OPEN (1).*

Revision History

<i>Dash Number</i>	<i>Revision</i>	<i>Date</i>	<i>Comments</i>
01	01	15 February 1989	Review Draft
02	01	27 March 1989	Alpha Review
03	01	17 April 1989	Alpha Review
05	50	9 June 1989	Beta Review
06	50	28 August 1989	Review Draft
10	A	26 September 1989	First Customer Shipment



Corporate Headquarters
Sun Microsystems, Inc.
2550 Garcia Avenue
Mountain View, CA 94043
415 960-1300
TLX 37-29639

**For U.S. Sales Office
locations, call:**
800 821-4643
In CA: 800 821-4642

European Headquarters
Sun Microsystems Europe, Inc.
Bagshot Manor, Green Lane
Bagshot, Surrey GU19 5NL
England
0276 51440
TLX 859017

Australia: (02) 413 2666
Canada: 416 477-6745
France: (1) 40 94 80 00

Germany: (089) 95094-0
Hong Kong: 852 5-8651688
Italy: (39) 6056337
Japan: (03) 221-7021
Korea: 2-7802255
Nordic Countries: + 46 (0)8 7647810
PRC: 1-8315568
Singapore: 224 3388
Spain: (1) 2532003
Switzerland: (1) 8289555
The Netherlands: 3133501234

Taiwan: 2-7213257
UK: 0276 62111

**Europe, Middle East, and Africa,
call European Headquarters:**
0276 51440

**Elsewhere in the world,
call Corporate Headquarters:**
415 960-1300
Intercontinental Sales

